PTO/SB/05 (05-03)
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	1711 1717	Attorney Docket No. NUM-0157									
I		First II	irst Inventor Kazuto Kobayashi								
TRA	APPLICATION NSMITTAL	Title	EXP	ANSION	N VA	ALVE					
(Only for new nonprovision	nal applications under 37 CFR 1.53(b))	Expre	press Mail Label No.								
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			ADD	RESS	TO:	P.O. Box 1	ner for Patents	.s. P.			
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 22] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 9] 5. Oath or Declaration [Total Sheets 4] a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed stalement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. X Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) 11. English Translation Document (if applicable) 12. X Information Disclosure Statement (IDS)/PTO-1449 X Copies of IDS Citations 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.								
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by											
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS											
X Customer Number or Bar Code Label			23353	3353			or X Correspondence address below				
RADER, FISHMAN & GRAUER PLLC											
Address 1233 Suite											
City Washington State		DC			Zip Code						
Country US		lephone	(202)	955-37	50	F	ex (202) 955	5-3751			
Name (Print/Type) Carl Schaukowitch Registration No. (Atte					Attorney/Agent)	29,211					
Signature	Calle		_			Date	June 23, 20	₀₃			

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FEE TO ANOMITTAL					Complete if Kr	plete if Known			
FEE TRANSMITTAL		Application Number				Not Yet Assigned			
for FY 2003		Filing Date				Concurrently Herewith			
1		First	First Named Inventor			Kazuto Kobayashi			
Effective 01/01/2003, Patent fees are subject to annual revision.						Assigned			
Applicant claims small entity status. See 37 CFR 1.27	,	Art Unit					· 		
TOTAL AMOUNT OF PAYMENT (\$) 1030	-	Attorney Docket No. NUM-0157				57			
METHOD OF PAYMENT (check all that apply)	\top	FEE CALCULATION (continued)							
Check Credit Onder Other None X Deposit Account		ADDITIO				nunded)			
Deposit Account 18-0013 Number	Fee Code	Fee	Fee Code	Fee (\$)	- Fee Desc	cription	Fee Paid		
Deposit	1051	130	2051	65	Surcharge – late filing fe	e or oath			
Account Name Rader, Fishman & Grauer PLLC	Į.				Surcharge – late provisi		\vdash		
The Director is hereby authorized to: (check all that apply)	1052	50	2052	25	sheet.	onar ming ros or cover			
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English specification	n			
X Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	For filing a request for exp	parte reexamination			
	1804	920*	1804	920*	Requesting publication of	of SIR prior to			
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Examiner action Requesting publication of Examiner action	of SIR after			
FEE CALCULATION	1251	110	2251	55	Extension for reply within	n first month			
1. BASIC FILING FEE	1252	410	2252	205	Extension for reply within	for reply within second month			
Large Entity Small Entity	1253	930	2253	465	Extension for reply within	n third month			
Fee Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension for reply withi	n fourth month			
1001 750 2001 375 Utility filing fee 750.00	1255	1,970	2255	985	Extension for reply within	n fifth month			
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Appeal				
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of	of an appeal			
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing	1			
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a put				
SUBTOTAL (1) (\$) 750.00	1452		2452	55	Petition to revive – unavoidable				
	1453		2453	650	Petition to revive - uninte				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Fee from			2501	650	Utility issue fee (or reiss	ue)			
Claims below Fee Paid			2502	235	Design issue fee	· -			
Total Claims 18 -20** = x = 0.00	1503		2503	315	Plant issue fee	ant issue fee			
Independent 2 -3** = x = 0.00	1460	130	1460	130	Petitions to the Commis	sioner			
Multiple Dependent 280.00 = 280.00	1807	50	1807	50	Processing fee under 37	CFR 1.17(q)			
Large Entity Small Entity	1806	180	1806	180	Submission of Information	on Disclosure Stmt			
Fee Fee Fee Fee Code (\$) Code (\$)	8021	40	8021	40		tecording each patent assignment per roperty (times number of properties)			
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1809	750	2809	375		ing a submission after final rejection			
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional inve- examined (37CFR 1.129				
1204 84 2204 42 ** Reissue independent claims	1801	750	2801	375	Request for Continued E				
over original patent	1802	900	1802	900	Request for expedited e	xamination			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	Other	fee (spe	i cify)		of a design application				
SUBTOTAL (2) (\$) 280.00 **or number previously paid, if greater; For Reissues, see above	*Red	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)							
SUBMITTED BY Complete (if applicable)									
Name (Print/Type) Carl Schaukowitch		tration No		,211		(202) 955-3750	<u> </u>		
	(Attorn	ey/Agent)	129	, 4 1 1			-		
Signature Call Sch					Date	June 23, 2003			